

VALID

Pat. No. 05616911 - 3
Issue Date: 07/08/02

Group ID: C
User ID: Jcjones

Page 1
KS: 5,970

Warning [Assignee First Or Firm Name: Page:1 Posn:1]

Assignee Firm Name does not have an upper case first letter

Warning [Pages Of Foreign References:]

page 1 has no references
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Warning [Blue Slip Sub Class Versus Sub Class:]

has SubClass from Blue Slip that does not match SubClass from Jacket

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Group ID: C
User ID: Jcjones

Page 1

***** No forms were edited *****

CHECK LIST

Rule 47 Continuing Data PCT Disclaimer

NO NO NO NO

Microfiche Appendix CPA tag

NO NO

Foreign Priority Claimed: No

Acknowledged: No

State Code: CA Country Code:

Text Endorsement: 09757265.010901

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JACKET

<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
09/757,265	01/09/01	315	291	2821

FOREIGN PRIORITY

Country Document Number Date

DISCLAIMER

/ /

TITLE

Sequential burst mode activation circuit

MICROFICHE APPENDIX

ASSISTANT EXAMINER:

First: Middle: Last:

Chuc

Tran

PRIMARY EXAMINER:

First: Middle: Last:

Don Wong

CLAIMS ALLOWED

Total Print

56 31

DRAWINGS

Sheets Figures Print

16 18 Y

BLUE SLIP INFORMATION

SERIAL NUMBER CLASS SUBCLASS GAU

09/757,265 315 307 2821

INDEP. CLAIMS

TOTAL CLAIMS

1,27,31 56

BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

Class SubClass

H05B 37/02;39/04

CROSS-REFERENCES

Class SubClass

315 209 R

11 219

TERM EXTENSION

115

FIELD OF SEARCH

Class SubClass

315 219;209 R;291;224;307;308;225;DIG. 4;DIG. 5;228;82;77

PTOL85b INFO

SERIAL NUMBER FILING DATE

09/757,265 01/09/01

ASSIGNEE DATA PRESENT DATE FEE PAID

Yes 10/07/02

EMAIL ADDRESS

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ATTORNEYS

Type: Firm/First: Middle: Last:

Firm Grossman Tucker Perreault & Pfleger, PLLC

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ASSIGNEES

Code: Firm/First: Middle: Last:

03 02 Micro International Limited

City: State: Country:

Grand Cayman KYX

Text:

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OATH

INVENTOR NAME

First: Middle: Last: Signed:

Yung-Lin Lin Yes

City: Palo Alto

State: CA ZIP Code: Country: Foreign ZIP:

INVENTOR NAME

First: Middle: Last: Signed:
Yu-Cheng Chang Yes

City: Foster City

State: CA ZIP Code: Country: Foreign ZIP:

INVENTOR NAME

First: Middle: Last: Signed:
Bingwei Yao Yes

City: Chofu

State: ZIP Code: Country: JPX Foreign ZIP:

PCT INFO

CONTINUING DATA (Page 1)

<u>LINE</u>	<u>CODE</u>	<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>STATUS</u>	<u>DOCUMENT NO.</u>	<u>ISSUE DATE</u>
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REFERENCES (Page 1) SERIAL NUMBER: 09/757,265

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U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
*6,316,881	11/2001	Shannon et al.	315	209 R
No issue date available.				
5,719,474	02/1998	Vitello	315	224
5,481,163	01/1996	Nakamura et al.	315	128

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

REFERENCES (Page 2) SERIAL NUMBER: 09/757,265
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U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
4,794,506	12/1988	Hino et al.	363	25
4,535,399	08/1985	Szepesi	363	41
4,814,962	03/1989	Magalhaes et al.	363	16
4,855,888	08/1989	Henze et al.	363	17
4,864,483	09/1989	Divan	363	37
4,953,068	08/1990	Henze	363	17
4,912,622	03/1990	Steigerwald et al.	363	98
4,833,584	05/1989	Divan	363	37
4,860,189	08/1989	Hitchcock	363	132
4,992,919	02/1991	Lee et al.	363	17
4,672,528	06/1987	Park et al.	363	98

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

[37 An Introduction to the Principles and Features of Resonant Power Conversion[38 , Steve Freeland, from [i Recent Developments in Resonant Power Conversion, [l Intertec Communications, Inc., 1998, pp. 20-43.

[37 Zero-Voltage Switching Technique in DC/DC Converters[38 , Kwang-Hwa Lie and Fred C. Lee, from [i Recent Developments in Resonant Power Conversion, [l Intertec Communicaitins, Inc., 1988, pp. 211-223.

=====

REFERENCES (Page 3) SERIAL NUMBER: 09/757,265

FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
4,727,469	02/1988	Kammiller	363	56
4,541,041	09/1985	Park et al.	363	41
4,935,857	06/1990	Nguyen et al.	363	17
4,952,849	08/1990	Fellows et al.	315	307
5,430,632	07/1995	Meszlenyl	363	17
5,418,703	05/1995	Hitchcock et al.	363	17
5,208,740	05/1993	Ehsani	363	124
5,198,969	03/1993	Redl et al.	363	17
5,132,889	07/1992	Hitchcock et al.	363	17
5,132,888	07/1992	Lo et al.	363	17
5,113,334	05/1992	Tuson et al.	363	25

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

[37] A New and Improved Control Technique Greatly Simplifies the Design of ZVS Resonant Inverters and DC/DC Power Supplies [38 , Mehmet K. Nalbant, 1995 IEEE, pp. 694-701.

[i] Switching Power Supply Design, [1 Abraham I. Pressman, McGraw-Hill, 1991, pp. 93-104; 471-492.

REFERENCES (Page 4) SERIAL NUMBER: 09/757,265

FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>

5,742,496	04/1998 Tsutsumi	363	95
5,384,516	01/1995 Kawabata et al.	315	160
5,027,264	06/1991 Dedoncker et al.	363	16
5,027,263	06/1991 Harada et al.	363	16
5,017,800	05/1991 Divan	307	66
5,886,477	03/1999 Honbo et al.	315	209 PZ
5,363,020	11/1994 Chen et al.	315	209 R
5,448,155	09/1995 Jutras	323	285
5,402,329	03/1995 Wittenbreder, Jr.	363	16
5,305,191	04/1994 Loftus, Jr.	363	17
5,781,418	07/1998 Chang et al.	363	16

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Phase Shifted, Zero Voltage Transition Design Considerations and the UC3875 PWM Controller, by Bill Andreycak, Unitrode, Application Note, May 1997, pp. 1-14.

[37 Fixed-Frequency, Resonant-Switched Pulse Width Modulation with Phase-Shifted Control[38 , by Bob Mammano and Jeff Putsch, from [i Power Supply Design Seminar, [l Unitrode, 1991, pp. 5-1 to 5-7.

=====

REFERENCES (Page 5) SERIAL NUMBER: 09/757,265

FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,430,641	07/1995 Kates		363	133
5,268,830	12/1993 Loftus, Jr.		363	17

5,818,172	10/1998 Lee	315	86
5,669,238	09/1997 Devers	62	657
5,834,889	11/1998 Ge	313	493
5,684,683	11/1997 Divan et al.	33	65
5,646,836	07/1997 Sadarnac et al.	363	98
5,715,155	02/1998 Shahani et al.	363	132
5,748,457	05/1998 Poon et al.	363	16
5,510,974	04/1996 Gu et al.	363	134

FOREIGN REFERENCES

Foreign Doc No. Date Country Class SubClass

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

[37 Zero Voltage Switching Resonant Power Conversion [38 , by Bill Andreycak, from [i Power Supply Design Seminar, [l Unitrode, 1991, pp. A2-1 to A2-24; and A2-1A to A2-3A.

[37 Resonant Mode Converter Topologies [38 , by Bob Mammano, from [i Power Supply Design Seminar, [l Unitrode, 1991, pp. P3-1 to P3-12.

=====

REFERENCES (Page 6) SERIAL NUMBER: 09/757,265

FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,559,688	09/1996 Pringle		363	89
5,894,412	04/1999 Faulk		363	56
5,231,563	07/1993 Jitaru		363	98
5,917,722	06/1999 Singh		363	132
5,638,260	06/1997 Bees		363	17

5,946,200	08/1999 Kim et al.	363	17
5,448,467	09/1995 Ferreira	363	17
5,880,940	03/1999 Poon	363	20
5,856,916	01/1999 Bonnet	363	20
5,796,598	08/1998 Nowak et al.	363	37
5,736,842	04/1998 Jovanovic	323	222

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

[37 The New UC3879 Phase-Shifted PWM Controller Simplifies the Design of Zero Voltage Transition Full-Bridge Converters[38 , by Laszlo Balogh, Unitrode, Application Note, 1995, pp. 1-8.

[37 A Comparative Study of a Class of Full Bridge

Zero-Voltage-Switched PWM Converters[38 , by W. Chen et al., 1995 IEEE, pp. 893-899.

=====

REFERENCES (Page 7) SERIAL NUMBER: 09/757,265

FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,900,700	05/1999	Arndt et al.	315	291
5,394,064	02/1995	Ranganath et al.	315	209
5,583,402	12/1996	Moisin et al.	315	307
5,742,495	04/1998	Barone	363	65
5,514,921	05/1996	Steigerwald	307	125
5,546,300	08/1996	Lee et al.	363	132
5,854,617	12/1998	Lee et al.	345	102

5,731,652	03/1998 Shimada	310	316
5,420,779	05/1995 Payne	363	56
5,784,266	07/1998 Chen	363	16
5,105,127	04/1992 Lavaud et al.	315	291

FOREIGN REFERENCES

Foreign Doc No. **Date** **Country** **Class** **SubClass**

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

[37 Optimum ZVS Full-Bridge DC/DC Converter with PWM Phase-Shift Control; Analysis, Design Considerations, and Experimental Results [38 , by Richard Red I et al., 1994 IEEE, pp. 159-165.

[37 A Frequency/PWM Controlled Converter with Two Independently Regulated Outputs [38 , by R.A. Fisher et al., HFPC, May 1989, pp. 459-471.

REFERENCES (Page 8) SERIAL NUMBER: 09/757,265

FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,235,501	08/1993	Stuart et al.	363	17
5,291,382	03/1994	Cohen	363	16
5,412,557	05/1995	Lauw	363	37
5,774,346	06/1998	Poon et al.	363	17
5,764,494	06/1998	Schutten et al.	363	17
5,932,976	08/1999	Maheshwari et al.	315	291
5,886,884	03/1999	Baek et al.	363	48
5,157,592	10/1992	Walters	363	17

5,744,915	04/1998 Nilssen	315	209 R
<1,2>5,719,474	02/1998 Vitello	315	224
5,910,709	06/1999 Stevanovic et al.	315	225

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

[37 High Density Power-Hybrid Design of a Half-Bridge Multi-Resonant Converter[38 , by Richard Farrington, et al., HFPC-Virginia Polytechnic Institute, May 1990, pp. 26-33.

[37 Small-Signal Analysis of the Zero-Voltage Switched Full-Bridge PWM Converter[38 , V. Vlatkovic et al., HFPC-Virginia Polytechnic Institute, May 1990, pp. 262-272.

**REFERENCES (Page 9) SERIAL NUMBER: 09/757,265
FORM 1449**

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,619,402	04/1997	Liu	363	20
5,844,540	12/1998	Terasaki	345	102
5,694,007	12/1997	Chen	315	247
5,712,533	01/1998	Corti	315	169.3
5,615,093	03/1997	Nalbant	363	25
5,930,121	07/1999	Henry	363	16
5,923,129	07/1999	Henry	315	307
5,422,546	06/1995	Nilssen	315	219
5,939,830	08/1999	Praiswater	315	DIG. 4
5,481,160	01/1996	Nilssen	315	209 R

5,285,372 02/1994 Hyunh et al. 363 132

FOREIGN REFERENCES

Foreign Doc No. Date Country Class SubClass

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

[37 Feasible Characteristic Evaluations of Resonant Tank PWM

Inverter-Linked DC-DC HIgh-Power Converters for Medical-Use

High-Voltage Application[38 , by H. Takano et al., 1995 IEEE, pp.

913-919.

=====

REFERENCES (Page 10) SERIAL NUMBER: 09/757,265

FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,875,103	02/1999	Bhagwat et al.	363	17
5,781,419	07/1998	Kutkut et al.	363	17
5,559,395	09/1996	Venkitasubrahmanian	315	247
5,844,378	12/1998	Locascio et al.	315	307
4,464,606	08/1984	Kane	315	158
*6,011,360	01/2000	Gradzki et al.	315	244
No issue date available.				
*6,114,814	09/2000	Shannon et al.	315	219
No issue date available.				

FOREIGN REFERENCES

Foreign Doc No. Date Country Class SubClass

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

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REFERENCES (Page 11) SERIAL NUMBER: 09/757,265

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U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
*6,259,615	07/2001	Lin	363	98
No issue date available.				

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)
